

Tricia L. Holman

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Education

Western Oregon University

Applied Baccalaureate,
Computer Science
Cum Laude

2017 ↔ 2020 GPA==3.59

2018\19: Edward B. Wright
Computer Science Scholarship

Chemeketa Community College

Associate of Science,
Computer Systems &
Information Technology
Magna Cum Laude

2015 ↔ 2017 GPA==3.87

Languages + Frameworks:

- C# + LINQ + Razor
- ASP.NET \ MVC5
 - Entity \ Identity Frameworks
- HTML5 + CSS3 + the DOM
- Bootstrap
- JavaScript / jQuery
- AJAX + RESTful API's
- PHP
- Java
- Python + pipenv
- Flask
- Visual Basic
- XML + JSON & YAML
- Markdown
- Haskell

WOU Senior Project

Software Engineering I + II + III

Senior Sequence \ Team Capstone Project

Petopia: <http://petopia.azurewebsites.net/>

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Other projects from college career

Database Management

Term project: designed, developed, and presented a database for a fictional business from scratch, using MS Access with DDL/SQL... consisted of multiple tables, forms, queries, and reports – plus a user interface and all documentation and ERDs. (*project=100% – class=98.7%*)

Web Design ~ Visual Communications

Final project: from provided specifications, content, images... designed responsive layout, colors, fonts, navigation, header/footer, asides, etc. for a fictional company website. (*project=91% – class=92%*)

Web Application Development

Term project: re-worked a (purposely) poorly coded website into a responsive, functional, attractive design... including database interaction with member sign-up/log-in and site security using PHP. (*project=100% – class=96.7%*)

Systems Analysis

Term project: developed plan, specs, and docs for a web app to solve business needs... designed to augment and work in conjunction with Database Management project, giving the business a responsive, functional, friendly, easy-to-use web presence. (*project=100% – class=99%*)

Computer Science II ~ Java

Final project: designed/coded a mini “shopping” app including GUI, file read/write, inheritance & polymorphism, try/catch blocks for exceptions. Participated in paired programming throughout term. This class was my first experience with Java (skipped CS I). (*project=100% – class=97.6%*)

Information Management

Final [team] project: collaborated to design and develop a database for a fictional wine collector from nothing; using Oracle Apex with

- Git \ GitHub + bash
- SQL\T-SQL + DDL
- MS-SQL Server
- mySQL
- mongoDB \ Firebase
- Oracle APEX

Other CS Tools + Experience:

- pytest + coverage
- Redis + Celery
- nginx \ load balancing
- connexion + swagger
- +
- Azure web apps + DB
- +
- VirtualBox
- AWS VM
- PuTTY \ SSH
- +
- Linux OS from CLI
- +
- Postman \ cURL
- LINQ-Pad
- Pivotal Tracker
- Agile methodology

Volunteering:

- American Cancer Society
 - ⇒ Driver for Road to Recovery program -- taking patients to\from appointments\treatment
- Marion-Polk Foodshare
 - ⇒ Meals-On-Wheels Driver

DDL/SQL... multiple tables, forms, queries, and reports – plus a user interface; documentation and ERDs. (*project=100% – class=97%*)

Microservices Architecture

Term project: extracted activity logging as a microservice from a monolithic web app “Wolfit” (developed just for our class)... self-taught python on the fly... project included pytest+coverage, mongoDB (cloud), writing & calling RESTful APIs (server & client-side), load balancing w/nginx, handling asynch calls with redis+celery, using connexion+swagger for APIs... AWS VM + Linux. (*project graded incrementally – class=92%*)

Own/Operate Business Stormcloud Enterprises ~ Independent Contractor Mystery Shopping/Auditing ~ 10/2010 to 09/2015

- Completed 1600+ undercover and revealed audits at/for dozens of businesses in Northwest Oregon
- Memorized, and convincingly carried out, a variety of complex scenarios to accurately fulfill shop/audit requirements
- Through objective observation and interactions, evaluated and documented details of customer service, facilities, inventory, presentation, and promotional materials.
 - *Surreptitiously tracked facts on-site throughout undercover audits.*
- Produced professional, comprehensive reports per client specifications; prepared required documentation and evidence (including photos).
 - *Filed within 12 to 24 hours post-shop/audit*
- Set and managed work schedule; developed spreadsheet with formulas to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.
- My work consistently scored 9 to 10 out of 10... attaining preferred status for preferred assignments.

Receptionist / Phone Operator Business Connections Answering Service Summer Job ~ April to September 2018

- While I took Discrete Math in a summer intensive at WOU!
- Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service
- Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services